Index of Claims



Application No.

10/663,090

Examiner

Applicant(s)

LIU, SHUANG

Art Unit

D. L. Jones

1616

✓ Rejected= Allowed

(Through numeral)
Cancelled

Restricted

N Non-Elected

I Interference

A Appeal
O Objected

| Cla                    | aim      | T  |         |              |          |            | D        | ate     | <del>)</del> |          |          |          |         | Cl                | aim       | Т                   |        |          | Date     |               |                | 7.5 | Cli           | aim      |          |          | -        | Dat  | е        |         |           |          |
|------------------------|----------|----|---------|--------------|----------|------------|----------|---------|--------------|----------|----------|----------|---------|-------------------|-----------|---------------------|--------|----------|----------|---------------|----------------|-----|---------------|----------|----------|----------|----------|--|----------|---------|-----------|----------|
|                        |          | ĸ  |         |              |          | Γ          | Т        |         |              | Γ        |          | Τ        |         |                   | _         |                     |        |          | IT       |               |                | 7   |               |          | $\Box$   | T        | Γ        | Τ  | Ī        |         |           | $\neg$   |
| <u>a</u>               | Ę,       | J  | 8       | •            |          |            | ł        | - 1     |              |          |          |          |         | <u> </u>          | ina       |                     |        |          |          |               | li             |     | ā             | ina      |          |          |          | ľ  |          |         | ıl        |          |
| Final                  | Original | J  | メ       |              |          | 1          | 1        | H       |              |          |          |          |         | Final             | Original  | 1 [                 |        |          |          |               |                |     | Final         | Original |          |          |          |  |          |         | 1         | - 1      |
| ŀ                      | 0        | ľ  | ᆁ       |              |          |            | 1        | - 1     |              | l        | 1        |          |         |                   | 0         | H                   |        |          |          |               |                |     |               | 0        |          |          |          |  |          |         | iΙ        | - 1      |
|                        | 1        | T, | F       |              |          |            | T        |         |              | Т        | Ţ        | 1        | 7       |                   | 51        |                     |        | 1        | $\Box$   |               |                |     |               | 101      | _        | +        | ╁┈       | <del>                                     </del> | Н        | Н       | $\vdash$  |          |
|                        | 2        | T  | П       |              |          |            | T        |         |              | Г        | T        | _        | 7       |                   | 52        | H                   |        | $\top$   |          |               | $\top$         | 1   |               | 102      |          | +-       | ╁┈       | 1-   | $\vdash$ | Н       | $\dashv$  |          |
|                        | 3        | Ī  |         |              |          | T          | Ť        |         |              | Г        | T        | _        |         |                   | 53        | T                   | $\top$ | 1        | $\vdash$ | $\neg$        |                | -   |               | 103      | $\dashv$ | +        | +-       | <del> </del>                                     | ┢        | Н       | $\vdash$  |          |
|                        | 4        | T  | П       |              |          | 1          | T        |         |              | Г        | $\top$   | 1        |         |                   | 54        | 17                  | $\top$ | _        | $\vdash$ |               |                | 1   |               | 104      |          | +        | 1-       | ╁  | -        |         |           |          |
|                        | 5        |    | П       |              |          | T          | T        | $\neg$  |              |          | T        |          |         |                   | 55        | $\Box$              |        |          | $\Box$   | _             | $\top$         |     |               | 105      | -        | +        | t        | $\vdash$   | _        | -       | $\dashv$  |          |
| L                      | 6        |    |         |              |          |            | Τ        |         |              |          | Τ        |          |         |                   | 56        |                     | $\top$ | T        | $\Box$   |               |                | 1   |               | 106      |          | 1        | t        |  | -        |         | $\dashv$  |          |
|                        | 7        | Ц  |         |              |          |            | Ι        |         |              |          |          |          |         |                   | 57        |                     |        | 1        | П        |               |                | 11  |               | 107      |          | 1        | 1        | t  |          |         | T         | _        |
|                        | 8        | Ц  |         |              |          | L          | l        |         |              |          |          |          |         |                   | 58        |                     |        |          |          |               |                |     |               | 108      | $\neg$   | 1        |          | ╁  |          |         |           | $\neg$   |
|                        | 9        | Ц  |         |              |          |            | L        |         |              |          |          |          |         |                   | 59        |                     |        |          |          |               |                |     |               | 109      |          | 1        |          | $I^-$  |          |         |           | $\neg$   |
| <u></u>                | 10       | Ш  | ┙       |              |          |            |          |         |              |          |          |          |         |                   | 60        |                     |        |          |          |               |                |     |               | 110      |          |          | 1        |  | _        | П       |           | $\neg$   |
|                        | 11       | Ц  | $\perp$ |              |          |            |          |         |              |          |          |          |         |                   | 61        |                     |        |          |          |               |                |     |               | 111      |          | 1        |          |  |          |         | $\neg$    | $\neg$   |
|                        | 12       | Ц  | $\perp$ | _]           |          | L          | L        | $\prod$ |              |          | L        |          |         |                   | 62        |                     |        |          |          |               |                |     |               | 112      |          | 1        |          |  |          | H       | $\neg$    | $\dashv$ |
|                        | 13       | Ц  | $\perp$ |              |          |            |          | $\perp$ |              |          | Ľ        |          | ]       |                   | 63        |                     |        |          |          |               |                |     |               | 113      |          | $\top$   | Γ        | П  |          | $\Box$  | $\dashv$  | $\neg$   |
| <u></u>                | 14       | Ц  | ┙       | _            |          | L          | L        | $\Box$  |              |          | L        |          |         |                   | 64        | $\Box$              |        |          |          | $\perp$       |                |     |               | 114      |          |          |          |  |          | П       | $\dashv$  |          |
|                        | 15       | L  |         |              |          | <u>L</u> . | $\perp$  |         |              |          |          |          |         |                   | 65        |                     |        |          |          |               |                |     |               | 115      |          |          |          |  |          | П       | T         |          |
|                        | 16       | Ľ  | Ц       | _            |          | _          | L        |         |              |          | L        |          |         |                   | 66        |                     |        |          |          |               |                |     |               | 116      |          | 1        | П        | _  |          |         | $\exists$ |          |
|                        | 17       | L  | Ц       |              |          |            | $\perp$  | $\perp$ |              |          |          |          |         |                   | 67        |                     |        |          |          | $\Box$        |                | 1   |               | 117      |          |          |          |  |          |         | $\exists$ |          |
| L                      | 18       | L  | Ц       | _            |          |            | ⊥        | $\perp$ |              |          |          |          |         |                   | 68        |                     |        |          |          |               |                |     |               | 118      |          |          |          |  |          |         | T         |          |
|                        | 19       | L  | Ц       | _            |          |            | $\perp$  |         |              |          |          | $\perp$  |         |                   | 69        |                     |        |          |          |               |                |     |               | 119      |          |          |          |  |          |         | $\exists$ |          |
|                        | 20       | L  | Ц       | _            |          |            | ╀        | _       | _            |          | L        |          |         |                   | 70        |                     |        |          |          |               |                |     |               | 120      |          | 1        |          |  |          |         | T         | ヿ        |
|                        | 21       | L  | Ц       | _            | _        | L          | L        | _       | _            |          |          | 1_       |         |                   | 71        |                     |        |          |          |               |                |     |               | 121      |          | T        |          |  |          |         | $\Box$    |          |
|                        | 22       | L  | Ц       | _            |          | 辶          | L        |         |              |          | L        |          |         |                   | 72        |                     |        |          |          |               |                |     |               | 122      |          |          |          |  |          |         | $\top$    |          |
|                        | 23       |    | Z,      |              |          | L.         | $\perp$  | 4       |              |          | 上        | 1        | _       |                   | 73        |                     |        |          |          |               |                |     |               | 123      |          |          |          |  |          |         |           |          |
| <b>L</b>               | 24       | ł  | 1       |              |          | L          | ┺        | _       | 4            |          | Ļ.       | $\perp$  |         |                   | 74<br>75  |                     |        |          | Ш        |               |                |     |               | 124      |          | I        |          |  |          |         |           | ╗        |
| -                      | 25       | L  | 4       | 4            |          | <u> </u>   | 1        | 4       | _            |          | 1        | ┸        |         |                   | <u>75</u> |                     |        | Ш        |          | $\perp$       |                |     |               | 125      |          |          |          |  |          |         | T         |          |
|                        | 26       | L  | 4       | $\downarrow$ |          | L.         | L        | 4       | _            |          | 1        | ┸        | _       |                   | 76        |                     |        |          |          | $\perp$       |                |     |               | 126      |          |          |          |  |          |         | $\neg$    |          |
| <b> </b>               | 27       | L  | 4       | 4            |          | ļ          | ╀        | $\perp$ | 4            |          | L        | ┺        |         |                   | 77        |                     | Ц.     |          | $\perp$  |               |                |     |               | 127      |          |          |          |  |          |         | $\top$    |          |
|                        | 28       |    | 4       | 4            |          | _          | ╀        | 4       | _            |          | L        | $\perp$  |         |                   | 78        | Щ.                  |        |          |          |               |                |     |               | 128      |          |          |          |  |          |         | $\neg$    |          |
| -                      | 29       |    | +       |              |          | _          | L        | 4       |              |          | L        | <u> </u> | _       |                   | 79        | $\sqcup \downarrow$ |        | 1        |          | $\perp \perp$ |                |     |               | 129      |          |          |          |  |          |         | Т         |          |
| <del></del>            | 30       | _  | 4       | 4            |          | _          | Ļ        | 4       | _            |          | L        | ┸        |         |                   | 80        |                     |        | $\sqcup$ |          |               | _              |     |               | 130      |          |          |          |  |          |         |           |          |
| <b>  </b>              | 31       |    | 4       | 4            |          | _          | L        | 4       | _            |          | 닏        | ļ.,      |         |                   | 81        |                     | 丄      |          | $\perp$  |               |                |     |               | 131      |          |          |          |  |          |         |           |          |
| L                      | 32       |    | 4       | 4            | _        |            | ╀        | +       | 4            |          | _        | ╄-       | -       |                   | 82        |                     |        | 1        | $\perp$  | $\perp$       | $\perp$        | L   |               | 132      |          |          |          |  |          |         |           |          |
|                        | 33       |    | 4       | 4            |          | _          | ╀        | +       | 4            |          | ₽        | -        | -       |                   | 83        |                     | _      | _        | $\dashv$ |               | _              | -   |               | 133      |          | Ц.       |          |  |          |         | $\Box$    |          |
|                        | 34<br>35 |    | +       | $\dashv$     |          |            | ╀        | +       | -+           |          | ⊢        | ┼-       | -       |                   | 84        |                     | -      | $\sqcup$ | _        | $\perp \perp$ | _              | -   |               | 134      |          | $\perp$  |          | _  | _        |         |           |          |
|                        | 36       | _  | +       | +            | _        |            | ╁        | +       | $\dashv$     |          | ⊢        | ╀        | -       |                   | 85        | -                   | -      | $\vdash$ |          | ++            |                | _   |               | 135      | _ _      | $\bot$   |          |  | _        | _       | $\perp$   | ╛        |
|                        | 37       | _  | +       | $\dashv$     | -        |            | ╁        | +       | $\dashv$     |          | ⊢        | ╀        |         |                   | 86        | <del>     </del>    | +      | $\vdash$ | _        | +             |                | L   |               | 136      | _ _      | $\perp$  |          | _  | $\perp$  | $\perp$ | $\bot$    | $\perp$  |
|                        | 38       | -  | +       | +            |          | _          | ┞        | +       | +            |          | $\vdash$ | +-       |         |                   | 87        |                     |        | +        | $\dashv$ | 44            | _              | -   |               | 137      |          | ļ.       |          |  |          | $\perp$ |           | _        |
| ┝╼┥                    | 39       |    | +       | +            | -        |            | $\vdash$ | +       | +            |          | $\vdash$ | ╀        |         |                   | 88        |                     |        | +        |          | +             |                |     |               | 138      | $\bot$   | $\bot$   |          | _  |          |         | $\dashv$  |          |
| $\vdash \vdash \vdash$ | 40       | _  | +       | +            |          | _          | ╀        | +       | +            |          | ⊢        | ╀        | -       |                   | 89        | $\vdash$            | +      | +        |          | +             |                |     |               | 139      | _ _      | Ш        |          | _  | _        |         | $\perp$   | $\Box$   |
| $\vdash$               | 41       |    | +       | +            | $\dashv$ |            | $\vdash$ | +       | +            |          | -        | ╁        |         |                   | 90        | -                   | -      | $\vdash$ | +        | +             |                |     | $\rightarrow$ | 140      | _        | 1-1      |          | $\dashv$   | _        | $\perp$ | $\perp$   | _        |
| $\vdash$               | 42       | _  | +       | +            | $\dashv$ |            | $\vdash$ | +       | +            | -        | -        | ╁        |         | $\longrightarrow$ | 91<br>92  |                     | +      | $\vdash$ | $\dashv$ | +             |                |     |               | 141      |          | $\bot$   |          | ↓  | _        | $\perp$ | $\dashv$  | _        |
| $\vdash$               | 43       | _  | +       | +            | $\dashv$ | _          | $\vdash$ | +       | +            |          | ├-       | $\vdash$ |         |                   |           |                     | +      | $\vdash$ | $\dashv$ |               |                | E;L |               | 142      |          | $\sqcup$ | _        | _  |          | 4       | $\bot$    | _        |
| <del>   </del>         | 44       | _  | +       | +            | -        |            | $\vdash$ | +       | +            | -        | -        | $\vdash$ | 1       |                   | 93<br>94  |                     | +-     | $\vdash$ | +        | ++            | +              |     |               | 143      | $\dashv$ | 1        |          | _  | _        | _       | 4         | _        |
| <del></del>            | 45       | _  | ╁       | +            | $\dashv$ | _          | ┝        | +       | +            | -        | -        | ├—       |         |                   | 95        |                     | +      |          | $\dashv$ | -  -          | -              | ŀ   | -+            | 144      | $\dashv$ | +        | _        |  | _        | -       | $\bot$    | _        |
| $\vdash \dashv$        | 46       | -  | +       | +            |          |            | ╁        | +       | +            | $\dashv$ | $\vdash$ | ╁        |         |                   | 96        | _                   | +-     |          | +        | ++            | +              |     |               | 145      | - -      | $\sqcup$ | _        | _  | _        | _       | 4         | _        |
| $\vdash$               | 47       | -  | +       | +            | $\dashv$ |            | $\vdash$ | +       | +            |          | -        | +-       |         |                   | 96        |                     | +-     | $\vdash$ | +        | ++            | $\dashv$       | -   | $-\downarrow$ | 146      | +        | <b>├</b> | 4        |  | $\dashv$ | +       | +         | $\dashv$ |
|                        | 48       | _  | +       | +            | ┥        |            | H        | +       | +            | $\dashv$ | $\vdash$ | +-       |         |                   | 98        | +                   | +-     | $\vdash$ | +        | ++            | +              | -   |               | 147      | +        |          | _        | _  | 4        |         | $\bot$    | _        |
|                        | 49       | _  | +       | +            | +        |            | ├        | +       | +            | $\dashv$ | -        | ╁        |         |                   | 99        | +                   | +      | $\vdash$ | +        | +             | +              | iii | $\rightarrow$ | 148      | $\perp$  | 1        | _4       | _  | $\dashv$ | _       | $\perp$   | _        |
| -                      | 50       |    | +       | +            | +        |            | $\vdash$ | +       | +            | -        | -        | +-       | 200     | -                 | 100       | +                   | +      | $\vdash$ | +        | ++            | $\dashv\dashv$ | -   | -+            | 149      | -        | +        | $\dashv$ |  | -+       | +       | +         | $\dashv$ |
| -                      | 55       |    | $\perp$ | 丄            |          |            |          | ┸       |              |          | Ц_       | ــــ     | Janii L |                   | 100       | L_                  |        | Ш        |          |               |                |     |               | 150      |          |          |          |  |          |         |           | - 1      |